Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

October 30, 2015
PLANS APPROVAL DATE

Amir W. Malek
No. C62397
Exp. 9-30-17
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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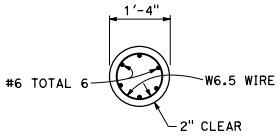
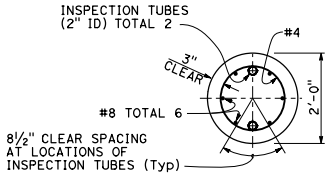
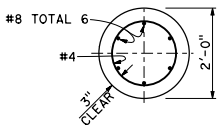


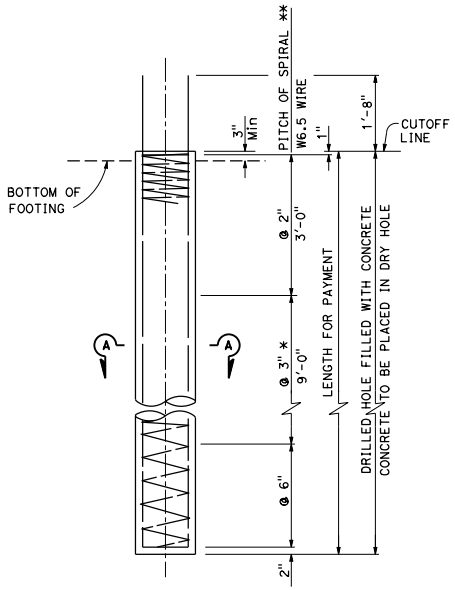
SECTION A-A



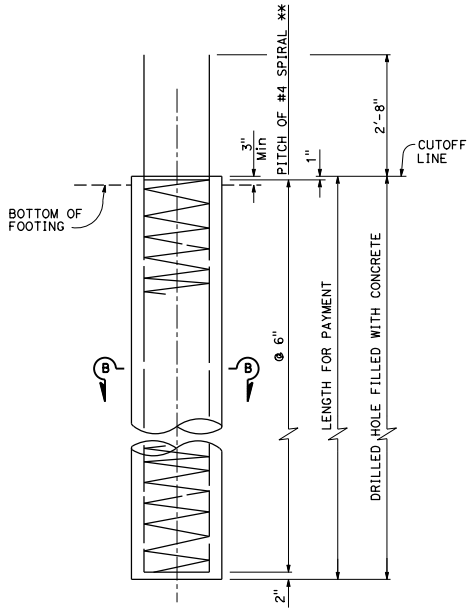
SECTION B-B
(With inspection tubes)



SECTION B-B
(Without inspection tubes)



ELEVATION
90 kip AND 140 kip
DESIGN CAPACITY



ELEVATION
200 kip
DESIGN CAPACITY

* @ 2" at option of Contractor

** Extend at 2" pitch to top of anchor piles and load test piles. For longitudinal reinforcement for anchor piles and load test piles, see "Load Test Pile Details (2)", Standard Plan B2-10.

NOTES:

1. Reinforcement extending into footing shall be hooked as required to provide clearance to top of footing.
2. Piles shall be extended only in accordance with details shown on the Project Plans.

DESIGN NOTES:

REINFORCED CONCRETE

f_y = 60,000 psi

f'_c = 4,000 psi

DESIGN CAPACITY

90 kip and 140 kip PILE

COMPRESSION:

140 kip (Service state)
280 kip (Nominal axial structural resistance)

TENSION:

56 kip (Service state)
140 kip (Nominal axial structural resistance)

200 kip PILE

COMPRESSION:

200 kip (Service state)
400 kip (Nominal axial structural resistance)

TENSION:

80 kip (Service state)
200 kip (Nominal axial structural resistance)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

16" AND 24" CAST-IN-DRILLED-HOLE CONCRETE PILE

NO SCALE

B2-3

9-22-15